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Authenticating printed objects using digital watermarks associated with multidimensional quality ...
 C Zeller, DG Mackay, W Kilmarin, RA Cordery, WA ... - US Patent App, 10/077,354, 2002 - Google Patents
 ... The **digital watermark decoder** detects a **digital watermark** from the subject image
 and determines a **digital watermark metric** based on the detected **digital ...**
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Including a metric in a digital watermark for media authentication
 HL Brunk, BA Bradley, BT Hannigan - US Patent App, 10/045,054, 2001 - Google Patents
 ... to a calculated **metric** for the embedded **digital watermark**, and a ... signal based on
 an embedded authentication **metric**. ... values due to the **calibration signal** and ...
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[PDF] •Hide and seek: robust digital watermarking
 SA Wilkinson - 2005 - comp.leeds.ac.uk
 ... 21 2.4.3 **Calibration** ... The same is true for a **digital watermark**, in itself it is
 not ... suggest therefore that a further **metric** is required that deals solely with ...
[Cited by 2](#) - [Related articles](#) - [View as HTML](#) - [Web Search](#) - [Library Search](#) - [All 3 versions](#)

Measuring digital watermark strength using error correction coding metrics
 HL Brunk - US Patent 6,993,154, 2006 - Google Patents
 ... For printing applications, the embedded **digital watermark** may be ... signal to determine
 geo- **metric** distortion of ... wk: error diffusion weighting coefficients $p(m)$...
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Layered security in digital watermarking
 BA Bradley, BT Hannigan, JK Barr - US Patent App, 10/158,385, 2002 - Google Patents
 ... reader compatible with the **digital watermark embedder** (202 ... object, which is preferably
calibrated before extrac ... extracted provides a first **metric** of authenticity ...
[Web Search](#) - [All 2 versions](#)

[PDF] •DWT based Digital Watermarking Fidelity and Robustness Evaluation
 C CiFASIS - journal.info.unlp.edu.ar
 ... point-by-point RMS) computed in un-**calibrated** RGB values ... This **metric**, namely RMS
 Fit (RMS FIT), is obtained ... by com- puting a degradation **coefficient**, D, which ...
[Related articles](#) - [View as HTML](#) - [Web Search](#)

[PDF] •Digital watermarking
 R Chandramouli, N Memon, M Rabbani - Encyclopedia of Imaging Science and Technology, 2002 - mip.informatik.uni-kiel.de
 ... hardware for copying and/or viewing, a **digital watermark** can be ... m is greater than
 the DC **coefficient** in block ... without the need for a separate **calibration signal** ...
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Digital watermarking and fingerprinting including synchronization, layering, version control, and ...
 AM Alattar, GB Rhoads - US Patent App, 11/389,560, 2006 - Google Patents
 ... signal to extract DCT **coefficients**, and performs ... which provides the origin of the
digital watermark. ... technique specifically applies to **calibration** signals that ...
[Cited by 1](#) - [Related articles](#) - [Web Search](#) - [All 6 versions](#)

[PDF] •Print and scan resilient data hiding in images

K Solanki, U Madhow, BS Manjunath, S ... - IEEE T, Information Forensics and Security, 2006 - citeseerx.ist.psu.edu

... necessary that the embedded **digital watermark** is resilient ... main components: **geo-metric** transformations, nonlinear ... the scanner without using **calibration** targets ...

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Half-tone watermarking and related applications

H.L. Brunk - US Patent App, 10/761,056, 2004 - Google Patents

... this distortion and retrieves an embedded **digital watermark**. ... signal to determine **geo- metric** distortion of a ... wkl: error diffusion weighting **coefficients** k_i (1 ...

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Key authors: [G Rhoads](#) - [J Dittmann](#) - [H Brunk](#) - [K Solanki](#) - [M Steinebach](#)

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